

Amendments to the Claims:

Please amend the claim as follows:

1. (Original) A plant growth system comprising:

a vertically positioned source of light;

a reservoir;

a pump;

a volume of liquid based nutrient composition;

a plurality of stacked independent growing chambers arranged in a planar array around said one or more sources of light, each of said growing chambers comprising a container portion with a base and sides, an inflow/outflow gate accommodated in the base of said container portion, an height adjustable overflow gate accommodated within said container portion; and drainage plumbing connecting said container portion with said reservoir;

wherein each of said growing chambers accommodates one or more plant holding containers; and

wherein when said pump is activated, said pump transports said nutrient composition from the reservoir through the inflow/outflow gate into said growing chambers; and

wherein when one of said growing chambers becomes flooded to the level of said overflow gate, said overflowing nutrient composition is returned to said reservoir via said drainage plumbing;

and wherein when said pump is deactivated, said nutrient composition remaining in each growing chamber returns to the reservoir via the inflow/outflow gate.

2. (Original) The plant growth system as recited in Claim 1, wherein there is a plurality of said vertically positioned sources of light.

3. (New) The plant growth system as recited in Claim 1, wherein said growing chamber is comprised primarily of a polyethylene material.

4. (Currently Amended) The plant growth system as recited in Claim 1, wherein said inflow/outflow gate is a plurality of inflow/outflow gates.

5. (Currently Amended) The plant growth system as recited in Claim 1, wherein said overflow gate is a plurality of overflow gates.

6. (Currently Amended) The plant growth system as recited in Claim 1, wherein the pump is activated and deactivated by a timer.

7. (Currently Amended) A plant growth method comprising the steps of:

activating a pump wherein said pump transports a nutrient composition from a reservoir through an inflow/outflow gate into one or more growing chambers; and wherein when one or more of said growing chambers becomes flooded to the level of an overflow gate, said overflowing nutrient composition is returned to said reservoir via said overflow gate and drainage plumbing; and

deactivating said pump when said nutrient composition in each growing chamber is returned to said reservoir via said inflow/outflow gate

using an apparatus comprised of:

a vertically positioned source of light;

said reservoir;

said pump;

said nutrient composition;

a plurality of stacked independent growing chambers arranged in a planar array around one or more of said sources of light, each of said growing chambers comprising a container portion with a base and sides, an inflow/outflow gate accommodated in the base of said container portion, an height adjustable overflow gate accommodated within said container portion; and drainage plumbing connecting said container portion with said reservoir wherein each of said growing chambers accommodates one or more plant holding containers.

8. (Currently Amended) The plant growth method as recited in Claim 7, wherein said vertically positioned source of light of said apparatus is comprised of a plurality of said vertically positioned sources of light.

9. (Currently Amended) The plant growth method as recited in Claim 7, wherein said growing chamber of said apparatus is comprised of polyethylene material.

10. (Currently Amended) The plant growth method as recited in Claim 7, wherein said inflow/outflow gate of said apparatus is comprised of a plurality of inflow/outflow gates.

11. (Currently Amended) The plant growth method as recited in Claim 7, wherein said overflow gate of said apparatus is comprised of a plurality of overflow gates.

12. (Currently Amended) The plant growth method as recited in Claim 7, wherein said apparatus is further comprised of a timer to activate and deactivate said pump.

13. (Cancelled)